TITLE 40-8 UCA 1953 GENERAL RULES AND REGULATIONS RULES OF PRACTICE AND PROCEDURE

MINE MICHAGE DELEN (FAMILY PLACER	MINE PLAN DATE Zec. 7/1/8/
ACT/0/7/0/9 COUNTY GARFIELD	DATE RECEIVED 2/2/8/
COMPANY REPRESENTATIVE MICHAEL DELEN	DOGM LEAD REVIEWER 503 CPH C. HOLFRICH

CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS
	LEGAL, FINANCIAL			
M-3/MR 1/1.	Name of Applicant	- V	-	
4-3/MR 1/2.	Address Permanent Temporary		1	
I-3/MR 1/3.	Company Representative ————————————————————————————————————		ν *	Company Representative Should give Title
-3/MR 1/4.	Address Office Phone	- V	V	
-3/MR 1/5.	Location County Township/Range/Section	- ~	V	Garfield 5. 28 T315 R. 11.E
-3/MR 1/6.	Name of Mine	V	V	Family Placer
-3/MR 1/7.	Mineral to be Mined	- V	V	Gold
-3/MR 1/8.	Other Approvals/Listed			
-3/MR 1/9.	Owners of Record of Land Affected -	-		BLM/Address should be included
-3/MR 1/10.	Owners of Record of Minerals to be Mined	V	V	Apprecant should be include
1-3/MR 1/11.	Owners of Record of all Other Minerals	V	~	Leases.

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS
M-3/MR 1/11a.	Notification of Other Owners in Writing	*	*	Applicant most notify owners of Record
M-3/MR 1/12.	Legal Right to Enter & Conduct Operations	*	*	BLM & Atach letter. Applicant should include
M-3/MR 1/13.	Acreage 1. Operation Area 2. Access Road or Haulways 3. Drainage System 4. Total Land Affected	nla ?	nla	documentation that claims are valid. Note whether patented or unparented claims. 5 Acres
M-3/MR 1/14.	Principal Executives, Officer & Partners Name Title Address	V	V	Michael Jalen owner
M-3/MR 1/15.	Previous Notice of Intention Withdrawn	V	V	no
M-3/MR 1/16.	Signed	*	*	Applicant shows all information confidential
	MAPS AND PLANS			only into relating to
M-3(1)	True Copy Map or Plat	*	× 7	of deposit can be
M(3)(1)(a)	Land Affected Delineation	*	*	Hearing Publication, Approval most be
M(3)(1)(b)	Within Land Affected Existing Mine Areas Active Abandoned (prior to May, 1975) Boundaries of Surface Properties Names of Surface Owners Names of Mineral Owners	topograp (seede fi leyal bou nearest	wition) A	

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS
M-2	"Land Affected means the surface and subsurface of an area within the state where mining operations are being or will be conducted, including, but not limited to: on-site private ways, roads, and railroad lines appurtenant to any such area; land excavations; exploration sites; drill sites or workings; refuse banks or spoil piles; evaporation or settling ponds; leaching dumps; placer areas; tailings ponds or dumps; work parking, storage, or waste discharge areas; areas in which structures, facilities, equipment, machines, tools or other materials or property which result from or are used in such operations, are situated. All lands shall be excluded that would be otherwise includable as land affected but which have been reclaimed in accordance with an approved plan or otherwise, as may be approved by the Board, and lands in which mining operations have ceased prior to July 1, 1977."			fencina, diversions berms, discharge points, overborden materials, waste storage etc
M-3(1)(e) M6	"All maps and plans prepared for submission with the Notice of Intention to Commence Mining			

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS LEE
M-3(1)(c) M6 (continued)	scale and detail to show topographic features and clearly indicate details of the proposed operations in accordance with Rule M-3. A color code, or other legend, shall be used in preparing all maps to clearly indicate surface features of the land affected."	*	*	Show on map
M-3(1)(d)	Names and Locations Lakes, Rivers, Streams, Creeks Roads, Buildings Active, Abandoned Facilities Transmissions Lines (within 500 feet)	* * *	*	Show on Map - Usa existing roads
1-3(1)(e)	Drainage Plan Overburden, Topsoil, Waste Stockpiles Directional Flow Constructed Drainways, Diversions, Berms Receiving Waters	* * *	* * *	not needed sayrading states no discharges. Determinations of LEE gravel thickness to bedrow
M-3(1)(f)	Drill Holes Location Status Depths and Thickness Water Bearing Strata Mineral Deposits Toxic Materials Revegetation Materials (topsoil)		,,,	Determinations of LEE gravel thickness to bedrow should be given and the manner by which they were derived.
M-3(1)(g)	Locations of Disposal and Stockpile Areas Topsoil Storage Overburden Materials Waste, Tailings, Rejected Materials Tailings-Ponds Discharge Points, Water Effluents	@ * * * * * * *	* * * * * * * * * * * * * * * * * * *	States no topsoil

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS SALLY
	EFFLUENT CONTROL			Can't evaluate need for.
M-10/11	Methods for Controlling Sediment			Can't evaluate need for Sediment control until adraingga map is
M(3)(3)(11)	"Sediment ControlMining operations shall be conducted in a manner such that sediment from areas disturbed in mining or reclamation activities is adequately controlled. The degree of sediment control shall be appropriate for the site-specific and regional conditions of topography, soil, drainage, water quality, or other characteristics."	NO	NO	location of disturbance in relation to surface waters, applicant should runoff diversions from affected area to minize need
M-3(1)(h)	Description of Water to be Disposed Expected Acid or Salt Content Expected Toxicity Expected Impact on Downstream Waters Description of Discharge Permits			from the wash plant what treatment will be utilized?
M-3(3)	OPERATION PLAN/SITE CONSTRUCTION			Tom?
M-3(3)/MR 1-7 MR 2-7	Mining Method General Details If Sedimentary Deposit Seam Thickness Dip Outcrop		*	A dat should be submitted with a detailed progression of gravel processing indicated including direction and a year by year destinate of disturbing the starting of disturbing the starting of
MR 2-11(1)	Mining Sequence	×	*	Mining sequence on LEE Map à nabeled
MR 2-11(b)	Construction and Maintenance of Access Roads Procedures Cross-section Profile			Nap & habered

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS 505
MR 2-11(c)	Site Preparation Trees Brush	V	*	Lut & stack wood. GEK for disposal method for grobbed materia
M-3(2)c MR 2-11(d)	Topsoil, Root Growth, Medium		¥?	No tobsoir;
MR-2/11(c)	Methods for Removal Amounts of Topsoil Removed Methods of Topsoil Protection		* 7. 7.) (
M-10(14)	"Soils-Except where slope or rocky rocky terrain make it impossible, all surficial materials, suitable as a growth medium, prior to any major excavation, shall be removed, segregated, and stockpiled according to its ability to support vegetation as determined by soil analysis and/or practical revegetation experience. The stockpiles shall be protected in such a manner as to minimize or prevent wind and water erosion, unnecessary compaction, and contamination by undesirable materials. Redistribution and surficial material after final grading shall be accomplished in such a manner as to promote revegetation success."			
M-3(2)c MR 2-11(e)	Disturbed and Excess Materials Tailings, Waste and Reject Handling Method of Placement and Containment Stability and Erosion Control Overburden			Explain method of Li backfilling, coater content of tailings
	Method of Placement and Containment Stability and Erosion Control Toxic, Acid/Alkali Producing Materials	NIA?	*	Applicant should include tests showing

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CITATION	REGULATION	IN PLAN	ADEQUATE	COMMENTS Tom
MR-2/10.	Determination as Toxic, Acid, Alkali Testing Procedure and Results	*	*	this planers lar to come the similar project the pencolitary
M-2 K(6)	"Toxic means any chemical or biological or adverse characteristic of the material involved which could reasonable be expect to negatively			**
	affect ecological or hydrological systems or could be hazardous to the public safety and welfare."			of the implication that no
M-10(6)	"Toxic MaterialsAll toxic or potentially toxic material, as defined by Rule M-2(k), shall be safely removed from the site or left in an isolated condition such that solid, liquid or			toxix additives into method of physics gravity separations should be supplied
	gaseous toxic emissions to the environment are reasonably eliminated or controlled. Such isolation practices may inlude, but not be limited to, burial, subsurface injection, chemical			should be supplied
	precipitation or neutralization, and filtering. All appropriate regulations of the Division of Health must be complied with as well as Federal regulations."			
M-3(2)(c) MR-2/11(e)	Method of Placement and Containment Stability and Erosion Control	-	/	original contoot

RECLAMATION

Family Placer MINE

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS	mad
M-3(2)	RECLAMATION PLAN			Applicant shou	old include
M-10	"The following reclamation standards are established where applicable for all work or activity required to be performed in accordance with reclamation plans approved subsequent to June 1, 1978. Mine workings abandoned prior to May, 1975, need not be reclaimed unless said workings are utilized for subsequent operations. Areas on which these standards are proposed to be non-applicable will be designated on the maps submitted by this operator in accordance with Rule M-6, and may be shown on supplementary ground or air photographs.	NA		map, crosses showing post topography	CTIONS
	Said standards shall apply to all operators covered by a mining and reclamation plan and variances to all portions herein will be considered on a site-specific basis by the Division and/or Board."				- asse
M-2i	"Reclamation means actions peformed during or after mining operations to shape, stabilize, revegetate, or otherwise treat the land affected in order to achieve a safe, stable, ecological condition and use which will be consistent with local environmental conditions."		no.	For the 30 year min the operator provide pla resentation operations	e life melst no for proceed.

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS	mau
M-3(2)/MR 2,3	Land Uses				
M-3(2)(a)	Prior Land Uses	1	1		4
M-3(2)(a)	Current Uses			1 acato	r must
M-3(2)(b)	Potential Uses	V	ho	The operation	mac Colon
M-10(1)	"Land UseThe operator shall abandon the area affected in a condition which is capable of supporting a postmining use that is compatible with probable land uses."			The operator me 14 % vegetat	or the sixe stow of how the
				AL GUM	alama
M-3(2)/MR 2-4	Existing Vegetation	V	V	WIAD WAL	provos
	Percent Cover			The operator me	ist achier
M-3(2)/MR 2-5	Existing Soils pH	7		140% vegetat	ive cove 50
	Soil Lab Reference	18			
M-3(2)/MR 2-6	Site Elevation Site Abandonment				
M-10(2)	"Public Safety and WelfareThe operator shall minimize hazards to the public safety and welfare following mining. Methods to minimize hazards shall inleude but not be limited to:				G
	(a) The closing of shafts and tunnels to prevent unauthorized or accidental entry. No Shapts				

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MINED LAND RECLAMATION -- CHECKLIST

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CITATION	REGULATION	IN PLAN	ADEQUATE	COMMENTS	-
M-10(2) (continued)	(b) The disposal of trash, scrap metal and wood, unuable buildings extraneous debris and other materials incident to mining in a manner approved by the Division and in accordance with the Rules and Regulations of the Division of Health.				
	(c) The plugging and capping of drill, core or other exploratory holes as set forth in Rule M-3(5).			Any Exploration pits or tranchers should be back filled.	G
	(d) The posting of appropriate warning signs in locations where public access to operations is readily available.				I
	(e) The construction of berms, fences and/or barriers above high-walls or other excavations when required by the Division."		,		
	Structure Removal				LE

debris shall be removed from the surface prior to regarding and

reclamation unless temporarily abandoned or approved by the Division for a continuing use."

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS
M-3(2)(d) MR-2(f)	Procedures and Methods For Final Stabilization and Regrading	V 7	×?	Discuss materials water content aci
MR-2(a)	Typical Cross-section of Regraded areas Specific Description of Regrading areas	*	*	-snow reclamation map x-sections etc of post mining ontoins
M-10(10)	"Shafts and Portals—All shafts and portals shall be covered or closed and all trenches and small pits shall be backfilled or covered when a mine has been abandoned so as to eliminate any safety hazard.	N/A	n/e	
	Roads and Pads—On-site roads and pads shall be reclaimed or stabilized when the operator determines that they are no longer needed for mining operations. The reclamation should include provisions for adequate surface drainage protection and unrestricted drainage crossings. When a road or pad is to be turned over to an approved continuing use, as determined by the operator, the operator shall turn over the property with adequate surface drainage, drainage structures, ditching, and in a general condition suitable for the continued use.			Discoss plant/sluice site
	HighwallsIn strip mining or open pit mining and in open cuts for pads or roadways all such highwalls shall be reclaimed by backfilling	Mo	MA	Acc?

CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS
Highwalls (continued)	against them or by cutting the wall back to achieve a slope angle of 45° or less. Where the highwall is composed of solid rock; is designed to be stable utilizing benches, tie-backs, etc.; or, there is insufficient material reasnably available to backfill; or cutting the wall back would result in excessive damage to undisturbed land above the highwall; and taking into consideration suitable alternative safety measures; future land use, etc.; the Division may modify or waive the above requirements."			
MR-2(e)	Description of Maximum Slope Grades			
	"Slopes—All waste piles, spoil piles, and fills shall, if possible, be regraded to a rounded configuration and they shall be sloped to minimize safety hazards and erosion. The angle of slope from the bottom to the top of the pile or fill can be greater than the surrounding terrain provided that the mass stability of the slope is assured and that the erosion of the slope is minimized by measures such as, but not limited to; terracing, surface drainage facilities, cross—slope ripping or scarifying and vegetation. In no case shall the slope of a pile or			show on map none steaper than 1:1.

MINE _____ DOGM LEAD REVIEWER ____

CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS	T. T.
Slopes (continued)	the material or such lessor slope as required by the Division considering such factors as: land use, material properties, revegetation potential or erosion control."				
MR-2(1)	Description of Determining Stability of Reclaimed Fill Material				
MR-2(f)	Description of the Method of Drainage Control for Regraded Areas				
	"Drainages—All natural channels and associated flood plains shall not be covered, restricted or rerouted by roads, pads, piles, fills or diversions unless specifically approved by the Division after a suitable hydrologic study and incorporating a sound hydraulic design. All drainage structures, sediment or flood control structures, spoil, ore, waste, fill material and debris must be removed from natural channels and flood plains before an operator abandons the site except where approved by the Division.				Spale

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS	SALL
M-10(13)	DamsAll major water impounding structures such as tailings, dams, water storage and supply dams, coal waste dams and major sedimentation control dams shall be reclaimed when abandoned so as to be nonimpounding, self-draining, mechanically stable and protected from erosion. ImpoundmentsAll evaporation, tailings and sediment ponds; spoil piles, fills, pads and regraded areas shall be self-draining and nonimpounding when abandoned unless previously approved as an impounding facility by a lawful state or federal agency."			From where processing wat be drown? at what amount what type of du will be involved there be bath ho gacilities? Reclanded	très will
MR-2(10)	Topsoil Distribution Plans			for any of the the	NENTE
	Specific Description of Spreading Topsoil/ Growth Medium Approximate Thickness of Topsoi/Growth Medium				
MR-2(3)	Description of Surface Preparation				
	Revegetation Plans				MAU
MR-2(1)	Who Will Complete Revegetation? Seed Bed Preparation				

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CITATION	REGULATION	IN PLAN	ADEQUATE	COMMENTS	
MR-2(1)	Description of Soil Treatments to Aid Revegetation				2
M-10.12	"Practial land treatments may include but not be limited to: scarifying, mulching, fertilization, irrigation, chisel plowing, harrowing and the introduction of soil mycorrhiza.				pol.
M-10.12	Description of Method for Testing Soil to Support Vegetation Fertilization Plans				
MR-2-2.	Mulch Type Rate/Acre	V	V		
	Seeding				
M-3(2)(e()	"A planting program as best calculated to revegetate the land affected. Where there is no original protective cover, an alternate practical procedure should be proposed to minimize or control erosion or siltation. When applicable, the objective in revegetation should be to stabilize the land as quickly as possible after it has been disturbed in order to achieve permanent and protective vegetative cover. Non-noxious native plants that will give a quick, permanent, protective cover and enrich the soil shall be given priority."				

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS	man
MR 2-1	Description of Seeding Method				
MR 2-3	Justification of Seed Mix				
M-10(12)	"RevegetationWhere possible, a self-sustaining vegetative cover consisting of non-noxious perennial plants shall be established by the operator subsequent to final grading on the entire area affected. Plants shall be a diverse mixture of grasses, shrubs, forbs and where potential for forestation exists, trees; the mixture may include both native and introduced species. Revegetation shall be performed using professionally accepted methods such as seeding, transplanting or propagating by cuttings.			musa sury a letter fr BLM state concurren the seed livestock graying.	or sold for their twildly
	(1) The species selection shall reflect the post-mining land use as set forth in Rule M-10(1)		nó		
MR-2 3.	U. S. Soil Conservation Service		NA		
MR-2 3.	Test Plots Use of Seed Mix	NA	TIP.	A	
MR-2 3.	Description of Application Location/Facing (bearing) Rate Per Acre (PLS) Species Mix Per Location Season to be Planted Maintenance/Monitoring		No abo	Brelensed will not released wiles	be adequate 3 sensor

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CITATION	REGULATION	INCLUDED IN PLAN	ADEQUATE	COMMENTS	Ma
MR-2/5.	Description of Irrigation Methods To Establish Vegetation Inspections Frequency Purpose Livestock Grazing Fencing Vegetation Protection	NA			7/70
M-3(2)(f) MR-2 8. M-3(2)f	Reclamation Schedule Estimated Time for Construction Estimated Time for Interim Reclamation Estimated Duration of Mining Operation A Time Table for the Accomplishment of Each Major Step in Reclamation Plans	- NO		Learlier com mosery fearlie Comm	ment)
M-5	Reclamation Surety Estimate Estimate Based on Reclamation Plan Cleanup and Removal of Structures Grading and Contouring Stabilization Labor Safety and Fencing Monitoring				
M-3	"(2) Revegetation shall be deemed to be accomplished and successful when: (a) Species intented for revegetation by this Rule have achieved a surface cover of at least 70% of the representative vegetative communities surrounding the mine. Surrounding vegetative cover levels shall be				

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	************************	INCLUDED		**************************************
CITATION	REGULATION	IN PLAN	ADEQUATE	COMMENTS
(a) (continued)	determined by the operator using professionally accepted inventory methods and be approved by the Division. (b) The vegetation initiated on the area affected has survived for at least three (3) growing seasons, is evenly distributed, and is not supported by irrigation or continuing soil amendments.			Ne operator sould's (world) sopply BIM's estimate or commenter with it.
	(3) Exceptions to Part 12 may be granted by the Division for areas which consist of solid rock outcrops and it is depostrated by the operator that sufficient surficial soil does not exist for covering said outcrops. Test plots established by the operator in consultation with the Division shall demonstrate after all practical land treatments have been attempted that the revegetation standards are not attainable."			hone aked
M-10 MR-8	Commitment to Rule M-10.	/	/ *	V